

## SEQUENCE LISTING

<110> Bender, Eckhard     Pindon, Armelle N     Van Oers, Irma P     Jurzak, Mirek     Luyten, Walter H	
<120> Cloning and expression of a novel 5-HT4 receptor	
<130> Novel 5HT4B splice variant	
<140> PCT/EP00/05592 <141> 2000-06-14	
<150> GB/9913850.5 <151> 1999-06-14	
<160> 2	
<170> PatentIn Ver. 2.1	
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tca gtg gag aag gtg gtg ctg ctc acg ttt ctc tcg acg gtt atc ctg 96 Ser Val Glu Lys Val Val Leu Leu Thr Phe Leu Ser Thr Val Ile Leu 20 25 30	;
atg gcc atc ttg ggg aac ctg ctg gtg atg gtg gct gtg tgc tgg gac 14 Met Ala Ile Leu Gly Asn Leu Leu Val Met Val Ala Val Cys Trp Asp 35 40 45	: <b>4</b>
agg cag ctc agg aaa ata aaa aca aat tat ttc att gta tct ctt gct 19 Arg Gln Leu Arg Lys Ile Lys Thr Asn Tyr Phe Ile Val Ser Leu Ala 50 55 60	12
ttt gcg gat ctg ctg gtt tcg gtg ctg gtg atg ccc ttt ggt gcc att 24 Phe Ala Asp Leu Leu Val Ser Val Leu Val Met Pro Phe Gly Ala Ile 65 70 75	: O
gag ctg gtt caa gac atc tgg att tat ggg gag gtg ttt tgt ctt gtt 28 Glu Leu Val Gln Asp Ile Trp Ile Tyr Gly Glu Val Phe Cys Leu Val 80 85 90 95	18
cgg aca tet ctg gac gtc ctg ctc aca acg gca tcg att ttt cac ctg 33	

1

Arg	Thr	Ser	Leu	Asp 100	Val	Leu	Leu	Thr	Thr 105	Ala	Ser	Ile	Phe	His 110	Leu	
_	_			_	_		tat Tyr		_		_	_	_		_	384
_				_	_		cct Pro 135	_	-		_		_	_		432
	_		_			_	ttt Phe									480
							att Ile	_	_	_		-				528
							gcg Ala									576
							gtc Val		_	_		_			_	624
		_				_	ttc Phe 215							_		672
				_			gtc Val		_	_			_		_	720
							gga Gly	_				_			_	768
							cat His									816
							atg Met									864
							gtg Val 295									912
							ttc Phe									960
							gcc Ala									1008

320	325	330	335
Ala Phe Leu Ile	atc ctc tgc tgt gat ga Ile Leu Cys Cys Asp As 340 34	p Glu Arg Tyr Arg Arg	
	cag act gtc cct tgt to Gln Thr Val Pro Cys Se 360		
	cta agg gat gca gtg ga Leu Arg Asp Ala Val Gl 375		
	ccg cca gca act tct co Pro Pro Ala Thr Ser Pr 390		
agt gac act tagg Ser Asp Thr 400	cccctg ggacaatgac ccag	aagaca gccatgcctc	1249
cgaaagaggg ccagg	tccta agctgctgct tg		1281
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Cys Trp Val Ile Pro Thr Phe Ile Ser Phe Leu Pro Ile Met Gln Gly 145 150 Trp Asn Asn Ile Gly Ile Ile Asp Leu Glu Arg Ser Leu Asn Gln Gly 170 Leu Gly Gln Asp Phe His Ala Ile Glu Lys Arg Lys Phe Asn Gln Asn 180 Ser Asn Ser Thr Tyr Cys Val Phe Met Val Asn Lys Pro Tyr Ala Ile 200 Thr Cys Ser Val Val Ala Phe Tyr Ile Pro Phe Leu Leu Met Val Leu 210 220 Ala Tyr Tyr Arg Ile Tyr Val Thr Ala Lys Glu His Ala His Gln Ile Gln Met Leu Gln Arg Ala Gly Ala Ser Ser Glu Ser Arg Pro Gln Ser 250 Ala Asp Gln His Ser Thr His Arg Met Arg Thr Glu Thr Lys Ala Ala Lys Thr Leu Cys Ile Ile Met Gly Cys Phe Cys Leu Cys Trp Ala Pro 280 Phe Phe Val Thr Asn Ile Val Asp Pro Phe Ile Asp Tyr Thr Val Pro 290 295 300 Gly Gln Val Trp Thr Ala Phe Leu Trp Leu Gly Tyr Ile Asn Ser Gly 305 310 Leu Asn Pro Phe Leu Tyr Ala Phe Leu Asn Lys Ser Phe Arg Arg Ala 325 330 Phe Leu Ile Ile Leu Cys Cys Asp Asp Glu Arg Tyr Arg Arg Pro Ser 340

Ile Leu Gly Gln Thr Val Pro Cys Ser Thr Thr Thr Ile Asn Gly Ser 355 360 365

Thr His Val Leu Arg Asp Ala Val Glu Cys Gly Gly Gln Trp Glu Ser 370 380

Gln Cys His Pro Pro Ala Thr Ser Pro Leu Val Ala Ala Gln Pro Ser 385 390 395 400

Asp Thr

<210> 3

<211> 22

<212> DNA

<213> Artificial Sequence

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<212> DNA
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<221> misc feature
<222> (23)..(24)
<223> V = a or g or c; Y = t or c
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cccgttgtaa catctggatt tgvygggc
                                                                    28
<210> 5
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<212> DNA
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<223> Description of Artificial Sequence: DNA primer
gaaaggagtc taaaccaagg cct
                                                                    23
<210> 6
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cgcatgaaaa tcctggccca ggccttggtt
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<400> 7
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21
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ccactcatgc ttatttcctg taatg
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<221> misc_feature
<222> (5)
<223> Y = t or c
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<221> misc_feature
<222> (20)
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<222> (23)
<223> y = t or c
<400> 9
graayaagat gacccctctr cgyatc
                                                                    26
<210> 10
<211> 26
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<223> Description of Artificial Sequence: DNA primer
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<221> misc feature
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<222> (5)..(6)
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                                                                       26
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<213> Artificial Sequence
<220>
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<222> (17)
<223> s = g or c
<220>
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<222> (26)
<223> r = g or a
<220>
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<222> (29)
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<211> 29
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<220>
<221> misc difference
<222> (3)
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<221> misc feature
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<221> misc_feature
<222> (21)
<223> y = t or c
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                                                                   29
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<211> 30
<212> DNA
<213> Artificial Sequence
<220>
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<400> 13
aaccaaggcc tgggccagga ttttcatggg
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